Index of Subjects

***N*-Acetyl-β-glucosaminidase**, milk, goats, virus infection, 299
Asiago cheese, blowing, *Lactococcus lactis* subsp. *lactis*, 581

Bacillus cereus, toxin production, dairy products, 569
  pH, sugars, influence, 575
Bacteria – *see also individual bacteria and types*
  psychrotrophic, ewes' milk, 371
Bifidobacteria, lactose utilization, 557
Breed, cow, effect on milk coagulation, 43

Camembert cheese, *Listeria monocytogenes*, growth, 421
Camel milk, composition, characteristics, (review), 603
Caprine arthritis–encephalitis virus, milk cell count, goats, 299
Casein, micelles, hydration, NMR study, 175
    hydrophobic sites, heat treatment, 151
    solvation, 505
  plasmin levels, cheese analogues, storage, proteolytic, rheological changes, 431
  separation, milk, by HPLC, 495
α_{s1}-Casein, chymosin specificity, 401
  detection, ovine milk, cheese, 413
  micelles, solvation, 505
α_{s2}-Casein, variant, ovine milk, 485
β-Casein, A^1, Mg^{2+}, Ca^{2+}, binding to, 65
κ-Caseins, caseinomacropeptides, released, HPLC, 117
  micelles, content, 505
    enzyme-induced coagulation, kinetic models, 517
    solvation, 505
Cheese(s), acid fresh, stress characteristics, 593
  analogues, plasmin-induced changes, 431
  ovine, bovine milk, detection, 413
  processed, blood cholesterol, 239
  scanning electron microscopy, use of Peldri II, 129
Cheese ripening, Casar de Cáceres lactic acid bacteria, isolated, 123
Chymosin, *see* **Rennin**
Coagulation, milk proteins heated, breed, protein genetic variants, effect of feeding, 43
Cholesterol, blood, processed cheese, 239
Colostrum, bovine, TGF-β2 related growth factor, 99
Cortisol, milk, 449

Dairy products, *Bacillus cereus*, toxin production, 569
Diet, effect on milk coagulation, 43
Dried milk, plant, process integration, 327

β-Endorphin, milk, 449
Endotoxin, determination, milk, Limulus amoebocyte lysate test, 223
Escherichia coli, mastitis, newly calved cows, 19

Fatty acids, binding, β-lactoglobulin, serum albumin, ruminant, non-ruminant species, 55
Flavour, constituents, milk, different species, 199
Friesian cows, effect of milking frequency, 1, 13

β-Galactosidase, lactose utilization, lactic acid bacteria, bifidobacteria, 557
Goats, CAEV and mastitis, 299
  lactogenesis, bromocriptine treatment, prolactin suppression, 307
  milk, casein separation, 495

Heat stability, *see* **Coagulation**, milk proteins, heated
Heat treatment, lactoferrin, monocytes, interaction, 363
  milk, casein micelles, hydrophobic sites, 151
    somatic cell count, 439
    viscosity measurements, 139
HPLC, casein separation, milk, 495
  hydrolysis products, rennet-treated caseins, 117

Jersey cows, effect of milking frequency, 1, 13

Kefir grains, microflora, 263

Lactic acid bacteria, isolation, Casar de Cáceres cheese ripening, 123
  lactose utilization, 557
Lactococcus lactis, proteolytic enzymes (review), 269
Lactococcus lactis* subsp. *lactis, lactate-fermenting clostridia, production, 581
Lactoferrin, interaction, monocytes, 363
β-Lactoglobulin, serum albumin, binding fatty acids, ruminant, non-ruminant species, 55
Lactogenesis, goats, bromocriptine treatment, prolactin suppression, 307
  milk, sows, citrate concentration, 319
Lactose, utilization, lactic acid bacteria, bifidobacteria, 557
Listeria monocytogenes, growth, Camembert cheese, 421

Machine milking, automatic cluster removers, 287
  stripping, once a day milking, 13
Mares, milk-yield, -composition, 457
Mastitis, detection, caprine arthritis–encephalitis virus infection, effect, 299
  Escherichia coli, newly calved cows, 19
  teat dipping, effect of, 31
Microwave heating, thiamin content, cows' milk, 259
Milk, detection, ovine milk, cheese, 413
  different species, neutral volatile compounds, 199
  endotoxin determination, Limulus amoebocyte lysate test, 223
  fractions, mitogenic activity, 443
  goats, cell count, virus infection, 299

odorant properties, 199, 215
somatic cell count, heat treatment, 439
Milk coagula, ultrafiltration, 161
Milk composition, mares, nursing, 457
citrate concentration, lactogenesis, sows, 319
infusions, abomasum, proteins, sodium caseinate, enzymic hydrolysate of casein, soya-protein isolate, 133
milking frequency, effect of, 1
oxytocin, prolactin, cortisol, β-endorphin, 449
Milk powder, *see* **Dried milk**
Milk production, once a day milking, effects of oxytocin, machine stripping, milking rate, 13
Milk proteins, *see also* **Whey proteins**
milk coagulation, properties, 43
PP3 composition, 535
isolated from proteose peptone, 189
Milk yield, infusions, abomasum, proteins, sodium caseinate, enzymic hydrolysate of casein, soya-protein isolate, 133
mares, nursing, 457
Milking, rate, milk production, once a day milking, 13
Milking frequency, effect on udder capacity, milk composition, 1
Montasio cheese, blowing, *Lactococcus lactis* subsp. *lactis*, 581

Odorant properties, neutral volatile compounds, milk, different species, 199, 215
Oxytocin, milk, 449
once a day milking, 13

Peldri II, cheese samples, preparation, scanning electron microscopy, 129
Phospho-β-galactosidase, lactose utilization, lactic acid bacteria, bifidobacteria, 557
Prolactin, levels, newborn lambs, 255
milk, 449
Proteinase, from *Pseudomonas fluorescens* No. 33, 229
Proteins, *see* **Milk proteins, Whey proteins**
Proteolysis, cheese analogues, storage, plasmin levels, caseins, relationship, 431
curd formation, 151
UHT milk, reversed-phase HPLC, 111
Proteose peptone, component PP3, 535
fractions, milk, DNA synthesis, Mark 3 hybridoma cells, 443
proteins isolated from, 189
Pseudomonas fluorescens No. 33, proteinase from, 229

Rennin, specificity, bovine α_{s1}-casein, 401
Rheology, cheese analogues, storage, plasmin levels, caseins, relationship, 431
whey protein concentrate solutions, 349
RP-HPLC, UHT milk, protein breakdown, storage, 111

Sheep, milk, casein separation, 495
cheese, bovine milk detection, 413
psychrotrophic bacteria, 371
Skim milk, micelles, hydration, NMR study, 175
powders, yogurt, polymer-forming starters, 247
Soft cheeses, *Listeria monocytogenes*, growth, 421
Sows, lactogenesis, milk, citrate concentration, 319
Spain, kefir grains, microflora, 263
Storage, soft cheeses, *Listeria monocytogenes*, growth, 421
UHT milk, proteolysis, 339
Streptococcus salivarius subsp. ***thermophilus***, phages, 385

Teat, dipping, effect on mastitis, 31
Thiamin, milk, microwave heating, 259

Udder, capacity, effect of milking frequency, 1
health, automatic cluster removers, 287
massage, milk production, once a day milking, 13
UHT milk, proteolysis, 339
Ultrafiltration, acid milk coagula, 161

Whey, defatted, ultrafiltration, limiting membrane fouling, 79
Whey proteins, fouling, preliminary stages, 467
components, membrane fractionation, 89
concentrate solutions, rheology, 349
fouling, preliminary stages, 467
lipid-binding, 55
thermal gelation, 543

Yogurt, polymer-forming starters, 247

Index of Authors

Abou-Zeid, N. A., 239
Accolas, J.-P., 385
Acedo, M. I., 117
Addeo, F., 199, 215, 485
Alonso, C., 371
Anema, S. G., 505
Angulo, L., 263
Anifantakis, E. M., 495
Attia, H., 161

Back, J. P., 421
Baldwin, A. J., 327
Belleville-Nabet, F., 443
Belmar-Beiny, M. T., 467
Bennasar, M., 161
Basançon, P., 413
Bitri, L., 413
Blanco, A., 129
Blum, J. W., 449
Bonomi, F., 151
Booth, J. M., 31
Boulot, S., 457
Brand, A., 19
Brock, J. H., 363
Bruckmaier, R. M., 449
Brulé, G., 175
Bryant, A. M., 1
Burvenich, C., 19

Cáceres, P., 123
Calvo, M., 55, 363
Cañellas, J., 129
Carruthers, V. R., 1, 13
Chamberlain, D. G., 133
Chianese, L., 485
Chilliard, Y., 457
Choung, J.-J., 133
Clarke, T., 439
Copeman, P. J. A., 1, 13
Corzo, N., 339
Coulon, J.-B., 43
Creamer, L. K., 505

Daufin, G., 79
Davis, S. R., 1, 13
De Block, J., 223
Dejmek, P., 65
Dekimpe, J., 199
De Kruif, K. G., 139
D'Hour, P., 43
Donnelly, W. J., 89
Doreau, M., 457
Drakenberg, T., 65

Ena, J. M., 55
Etievant, P., 199, 215

Farah, Z., 603
Farres, A., 247

Fayard, B., 385
Forsyth, I. A., 307
Fox, P. F., 401
Frau, M., 129
Fryer, P. J., 467

Gallardo, F., 247
Galvan, M. V., 247
García-Armesto, M.-R., 371
García-Fernández, M.-C., 371
García-Garibay, M., 247
García-López, M.-L., 371
Garman, J. H., 557
Garro, G., 485
Giangiacomo, R., 151
Girardet, J.-M., 443
Grangeon, A., 79
Greenwood, P. L., 299

Haefliger, M., 385
Hartmann, P. E., 319
Healy, A., 401
Henderson, H. V., 1
Heyneman, R., 19
Hillerton, J. E., 31
Højrup, P., 401
Holmes, M. A., 319
Huertas, M., 123
Hugodot, B., 161
Hyslop, D. B., 517

Iametti, S., 151
Ismail, M., 363

Jeurnink, T. J. M., 139

Kaminarides, S. E., 495
Konings, W. N., 269
Korolczuk, J., 593
Kremer, W. D. J., 19
Kroll, R. G., 421
Kumura, H., 229

Labbé, J.-P., 79
Lagaude, A., 161
Langford, S. A., 421
Langlois, D., 215
Langridge, S., 31
Larriba, G., 123
Lee, P. D., 307
Lema, C., 263
Limond, A. M., 575
Linden, G., 443
Lombardi, A., 581
Lopez, E., 263
Lopez-Galvez, G., 485
López-Fandiño, R., 111, 117, 339

McCarthy, A., 431

McCarthy, O. J., 349, 543
Macheboeuf, D., 43
McSweeney, P. L. H., 401
Marchal, P., 175
Mariette, F., 175
Marshall, V. M. E., 247
Massart-Leën, A.-M., 19
Mati, A., 443
Mehra, R. K., 89
Mercenier, A., 581
Merchiers, M., 223
Messina, G., 151
Michel, F., 79
Mikawa, K., 229
Moermans, R., 223
Moio, L., 199, 215
Morris, C. A., 1
Moulti-Mati, F., 443
Mottar, J., 223
Mulvihill, D. M., 431
Munro, P. A., 349, 543

Nabet, P., 443
Nicholls, P. J., 299
Nuti, M. P., 581

Olano, A., 111, 339
Olson, N. F., 401
Oria, R., 363
Otero, A., 371

Pasini, G., 581
Pérez, M. D., 55
Petersen, T. E., 189, 535
Pilldige, C. J., 557
Poolman, B., 269
Poullet, B., 123
Prieto, M., 371
Puyol, P., 55

Quemerais, A., 79

Ramos, M., 111, 117, 339, 485
Rasmussen, M. D., 287
Redondo, P., 259
Robertson, L. J., 327
Roets, E., 19
Rolland, M.-P., 413
Rosselló, C., 129
Rouviere, J., 161
Ryan, D. P., 299

Saito, Z., 229
Sánchez, A., 123
Sánchez, L., 363
San José, C., 111
Schams, D., 449
Shearn, M. F. H., 31
Smart, J. B., 557
Sørensen, E. S., 189, 535
Spettoli, P., 581
Sutherland, A. D., 569, 575

Tan, P. S. T., 269
Tang, Q., 349, 543
Tarodo de la Fuente, B., 161
Tellier, C., 175
Teverson, R. M., 31
Thompson, G. E., 255
Tokuyama, H., 99
Tokuyama, Y., 99

Vandeputte-Van Messom, G., 19
Vantomme, K., 223
Vidal-Valverde, C., 259

Wacher-Rodarte, C., 247
Wahlgren, N. M., 65

Zamorani, A., 581
Zezza, N., 581